



# COVID-19 AWARENESS ASSESSMENT: A SURVEY STUDY IN INDIAN CONTEXT

Dr. Vikash Kumar

Assistant Professor, Department of Psychology, R. C. College, Sakra, B. R. A. Bihar University, Muzaffarpur, Bihar, India.

## ABSTRACT

COVID-19 (Corona Virus Disease-2019) has spread globally now and has become life threatening pandemic disease. The W.H.O. (World Health Organization) declared as a public health emergency of international concern. So, it is necessary to organize a awareness program to cope-up with this disease. The Purpose of this present survey study was to assess the awareness level of the Indian people regarding COVID-19. This survey study was conducted from 22nd July to 31st July, 2020 among 585 individuals of all India level to assess the awareness level regarding COVID-19 and step to be taken for its prevention. The conclusion of this survey study was very satisfactory. The awareness level is very high among the educated people, who were actively participated in this survey study and those people who are not aware, it is necessary to sensitize them by organizing different types of awareness program. This survey would help the health care professional to create regarding the effect of this Corona virus on different of age group and social group to help prevent carelessness amongst Indian people.

**KEYWORDS:** COVID-19, Awareness, Assessment, Health Care Professional.

## BACKGROUND:

COVID-19 (Corona Virus Disease-2019) is an infectious disease caused by SARS corona virus 2 (SARS-COV-2), a virus closely related to the SARS Virus. It was first identified in December, 2019 in Wuhan, China. This disease has spread globally now and has become an organizing 2019-20 life threatening pandemic disease. The World Health organization (W.H.O.) declared the Corona virus out break 2019-20 as a public health emergency of international concern on 30 January, 2020 and a pandemic on 11 March, 2020.

The disease is the cause of the 2019-20 Corona virus outbreaks. Those who get the disease might get a fever, dry cough, fatigue and shortness of breath. A sore throat, runny nose or sneezing is less common. In very bad cases, they can even get a much worse fever, decreased white blood cells, unappetizing, might caught up blood and have kidney failure.

COVID-19 Virus spread from person to person through the air like the common cold does Robert Stevens of Johns Hopkins University in Baltimore, are starting studies to watch people who have recovered from COVID-19 to see what long-term effects they have. Scientists think that people, who have COVID-19 and do not die might still have lungs or brain damage for the rest of their lives. Other scientists saw that SARS-CoV-2 made the body make less of the male hormone testosterone and considered the SARS-CoV-2 could cause sterility the way the mumps and other Viruses do. A sterile man cannot father children naturally.

There are many ways to prevent the spread of COVID-19 washing hands for at least 20 seconds will help destroy the viruses. Avoiding touching your own eyes, nose or mouth with unwashed hands is another way to avoid catching COVID-19. People should avoid crowded place wherever possible, because close contact with large groups of people can easily spread the virus. In fact, many health organizations say that people should stay at least two meters from another person.

May people wear face mask in public to avoid catching the Virus and it is recommended by other countries such as China, Hong Kong & Thailand.

The Virus that causes COVID-19 is now to humans. This means that there are no medicines that can stop people from getting COVID-19 or that can treat them if they do get it. Scientists are working hard to invent and test new medicines. Some scientists are trying to invent a new vaccine which would stop people from getting sick with COVID-19.

Considering the current scenario, on September, 09-2020, 27,722,275 people are affected by this Virus in more than 215 countries and territories leading to 900,875 death and 19,812,885 people have been recovered by this disease till now.

There is currently no adequate vaccine for this Virus but with the help of supporting therapy, isolation, physical distancing this Virus can be cured.

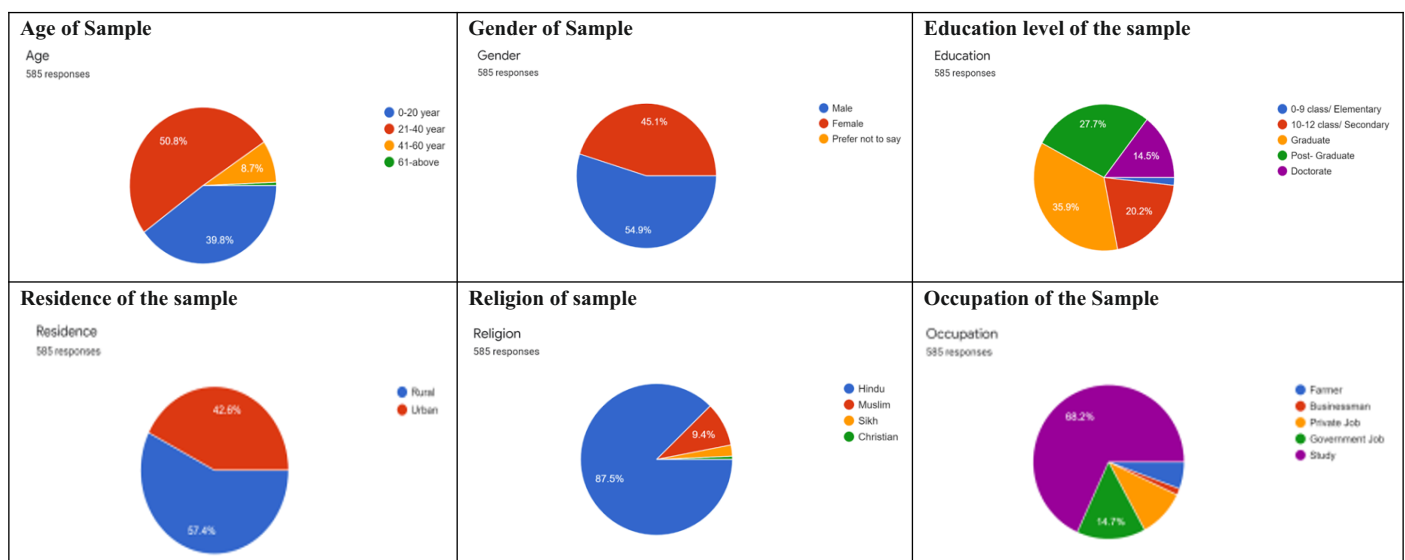
## Purpose:

The main purpose of this present survey study was to assess the awareness level of the Indian people regarding COVID-19.

## Methods:

A survey was conducted among 585 Individuals to assess their awareness level regarding COVID-19.

- (a) **Sample:** This study was conducted on 585 individuals by selecting random – cum – purposive, sampling technique from whole India details are given below:



(b) **Survey Tools:** A survey questionnaire which contains 20 question prepared by the researcher himself was used for collecting the necessary data.

(c) **Procedure:** The survey questionnaire was administered on 585 respondents. The data were obtained and analyzed by appropriate statistical technique.

#### MATERIALS AND DATA COLLECTION:

This survey was sent via social media i.e. whatsapp group and facebook. The survey rendered 585 responses. This survey, which was conducted, contained 20

questions with multiple choice questions. All the individuals who answered the survey were informed about the confidentiality of their response and were also informed about the confidentiality of their response and were also informed about the purpose of conducting this survey. Each and every individual of India of all age groups were included in this survey. The evaluation of the survey was done by Google form.

#### RESULTS AND DISCUSSION:

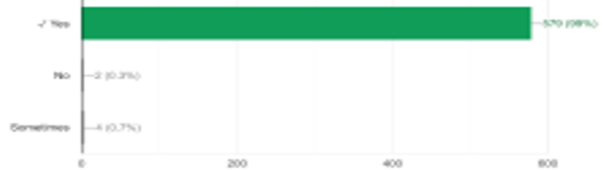
The survey generated 585 responses on 20 Survey Questionnaire. Details results are given below with appropriate graphs:

<p>Around 96.2% people know Corona Virus has become pandemic, only 2.7% people don't know about Corona Virus has become pandemic and only 1% people response can't say.</p>	<p>1. Do you know Corona Virus has become Pandemic? 563 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>563</td><td>96.2%</td></tr><tr><td>No</td><td>16</td><td>2.7%</td></tr><tr><td>Can't say</td><td>6</td><td>1%</td></tr></table>	Response	Count	Percentage	✓ Yes	563	96.2%	No	16	2.7%	Can't say	6	1%
Response	Count	Percentage											
✓ Yes	563	96.2%											
No	16	2.7%											
Can't say	6	1%											
<p>Around 99% people use mask to cover mouth and nose at workplace. Only 0.3% people responded no and 0.7% people responded sometime.</p>	<p>2. Do you use mask to cover your mouth and nose at workplace? 579 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>579</td><td>99%</td></tr><tr><td>No</td><td>2</td><td>0.3%</td></tr><tr><td>Sometimes</td><td>4</td><td>0.7%</td></tr></table>	Response	Count	Percentage	✓ Yes	579	99%	No	2	0.3%	Sometimes	4	0.7%
Response	Count	Percentage											
✓ Yes	579	99%											
No	2	0.3%											
Sometimes	4	0.7%											
<p>Around 99% people wash hand regularly with soap and water and only 1% people responded sometimes wash hand with soap and water.</p>	<p>3. Do you wash your hand regularly with soap and water? 579 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>579</td><td>99%</td></tr><tr><td>No</td><td>0</td><td>0%</td></tr><tr><td>Sometimes</td><td>6</td><td>1%</td></tr></table>	Response	Count	Percentage	✓ Yes	579	99%	No	0	0%	Sometimes	6	1%
Response	Count	Percentage											
✓ Yes	579	99%											
No	0	0%											
Sometimes	6	1%											
<p>96.8% people use sanitizer regularly, only 0.02% people don't use Sanitizer and only 3.1%, people use sanitizer sometimes.</p>	<p>4. Do you use sanitizer? 585 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>565</td><td>96.8%</td></tr><tr><td>No</td><td>1</td><td>0.2%</td></tr><tr><td>Sometimes</td><td>19</td><td>3.1%</td></tr></table>	Response	Count	Percentage	✓ Yes	565	96.8%	No	1	0.2%	Sometimes	19	3.1%
Response	Count	Percentage											
✓ Yes	565	96.8%											
No	1	0.2%											
Sometimes	19	3.1%											
<p>Around 93.3% people downloaded Arogya Setu app in mobile, 5.5% people not downloaded Arogya Setu app and 1.2% people react not needed about downloading the Arogya Setu app.</p>	<p>5. Have you downloaded Arogyasetu app in your mobile? 546 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>546</td><td>93.3%</td></tr><tr><td>No</td><td>32</td><td>5.5%</td></tr><tr><td>Not needed</td><td>7</td><td>1.2%</td></tr></table>	Response	Count	Percentage	✓ Yes	546	93.3%	No	32	5.5%	Not needed	7	1.2%
Response	Count	Percentage											
✓ Yes	546	93.3%											
No	32	5.5%											
Not needed	7	1.2%											
<p>Around 74.4% people heard about Diksha aap, 18.5% people did not heard about this app and only 7.2% people react may be.</p>	<p>6. Have you heard about Diksha app? 435 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>435</td><td>74.4%</td></tr><tr><td>No</td><td>100</td><td>18.5%</td></tr><tr><td>Maybe</td><td>42</td><td>7.2%</td></tr></table>	Response	Count	Percentage	✓ Yes	435	74.4%	No	100	18.5%	Maybe	42	7.2%
Response	Count	Percentage											
✓ Yes	435	74.4%											
No	100	18.5%											
Maybe	42	7.2%											
<p>Around 96.2% people maintain hygiene in home, 1.7% people didn't maintain hygiene in home and only 2.1% people maintain sometimes hygiene in home.</p>	<p>7. Do you maintain hygiene in your home? 563 / 585 correct responses</p> <table><tr><th>Response</th><th>Count</th><th>Percentage</th></tr><tr><td>✓ Yes</td><td>563</td><td>96.2%</td></tr><tr><td>No</td><td>10</td><td>1.7%</td></tr><tr><td>Sometimes</td><td>12</td><td>2.1%</td></tr></table>	Response	Count	Percentage	✓ Yes	563	96.2%	No	10	1.7%	Sometimes	12	2.1%
Response	Count	Percentage											
✓ Yes	563	96.2%											
No	10	1.7%											
Sometimes	12	2.1%											

99% people maintain social distancing while interacting with other, 0.3% people not maintain social distancing while interacting with other and only 2.1% people sometimes maintain social distancing while interacting with other.

8. Do you maintain social distancing while interacting with other?

579 / 585 correct responses



95.9% people avoid crowded place, 2.7% not avoid crowded place, only 1.4% people sometimes avoid crowded place.

9. Do you avoid crowded place?

561 / 585 correct responses



Around 85.1% people practice yoga and exercise regularly, 2.9% people not practice Yoga and exercise regularly and only 12% people sometimes practice yoga and exercise regularly.

10. Do you practice yoga and exercise regularly?

498 / 585 correct responses



Around 89.10% people sensitize other people about Corona Virus, 3.8% people not sensitize other people about Corona Virus and only 7.2% people sometimes sensitize other people about Corona Virus.

11. Do you try to sensitize other people about Corona virus?

521 / 585 correct responses



About 8.9% people believed all Corona infected people die, 83.9% people believed all Corona infected people not die and 7.2% people react may be about this question.

12. Do all Corona infected people die?

491 / 585 correct responses



Around 17.4% people believed that the cold is the ground to be considered Corona positive, 62.9% people believed, that the cold is not the sufficient ground to be considered Corona positive and only 0.7% people react may be about this question.

13. Is having cold sufficient ground to be considered Corona positive?

358 / 585 correct responses



Around 6.8% people get scared from Corona, 88.4% people save our self from Corona and only 4.8% react encounter the Corona.

14. We have to...

517 / 585 correct responses



Around 3.8% believed doctor and nurse are the Corona warriors, 0% believed police and cleaner are not the Corona warriors, 0.3% believed administration are the Corona warriors and 95.90% people believed all above like doctor, nurse, police, administration, and cleaners are the Corona warriors.

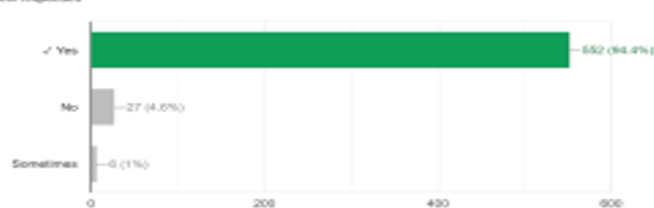
15. Who are the Corona warriors?

561 / 585 correct responses



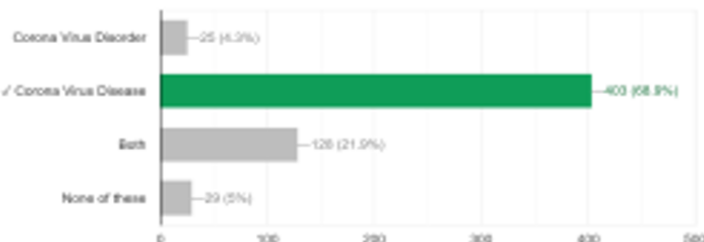
Around 94.4% people believed the Corona warriors are the respected People, 4.6% people not believed the Corona warriors are the respected People and only 1% people sometimes believed the Corona warriors are the respected people.

16. Should we respect Corona Warriors?  
552 / 585 correct responses



Around 68% people know about COVID-19 refers to Corona Virus Disease, 4.3% people know about COVID refers to Corona Virus disorder, 21.9% people react both i.e. COVID refers to Corona Virus disease and Corona Virus disorder and only 5% people responded none of these.

17. COVID refers to...  
403 / 585 correct responses



Around 95.2% people knew about COVID-19 started from Wuhan, 2.4% people responded New Delhi, 0.5% people responded New York and 1.9% people responded Beijing.

18. COVID-19 started from...  
557 / 585 correct responses



Around 99.5% people knew about the COVID-19 infection is spread by sneezing and touching both, 2.1% people responded only sneezing 4.37% people responded only laughing are the medium of Spreading of COVID-19 infection.

19. COVID-19 infection is spread by...  
547 / 585 correct responses



Around 86.2% people knew about the COVID-19 related to quarantine, isolation and ventilation, only 11.10% people responded quarantine, 1.5% people responded isolation and only 1.2% people responded ventilation.

20. COVID-19 related to...  
584 / 585 correct responses



Over all the average score of respondent 17.93 out of 20 Points, it's median 18/20 points and range 7 to 20 points. 153 respondents scored 20 Points, 120 respondents scored 19 points, 105 respondents scored 18 points, 89 respondent scored 17 points, 51 respondents scored 16 points, 33 respondents scored 13 points, 6 respondents scored 12 and only 1-1 respondents scored 11,10,8,7 respectively.

Score	20	19	18	17	16	15	14	13	12	11	10	9	8	7
Respondents	153	120	105	89	51	33	10	8	6	1	1	0	1	1

## DISCUSSION:

The survey study conducted aims at assisting the health-care professionals to evaluate the awareness level of the Indian people regarding COVID-19 and its prevention and treatment plane. The disease COVID-19 spread through respiratory droplets and personal contact with the infected person. Social distancing and maintaining hygiene with alcohol-based sanitizers is the best way to prevent the spread of this Virus as the person remains a symptomatic from the exposure till the first symptom is shown that is for around 2-14 days which is incubation period of Virus. This Virus mainly affects the person with lower immunity levels irrespective of their age that is older people, immune-compromised people, people with chronic conditions, diabetes and people on radiation therapy.

In this survey study, We get many information regarding the awareness level of

the Indian people regarding this issue. According to above results the awareness level of this disease was very satisfactory. Average score of all respondent are 17.93 points out of 20 points. 96.2% people respond correct response and they know corona virus has become pandemic, 99% people respond correct response and they use mask to cover mouth and nose at workplace, 99% people respond correct response and they wash hand regularly with soap and water, 96.8% people use sanitizer, 93.3% people download Arogya setu app in mobile, 74.4% People heard about Diksha app, 96.2% people maintain hygiene in home, 99% person maintain social distancing while interacting with other, 95.9% person avoid crowded place, 85.1% people practice yoga and exercise regularly, 89.1% persons try to sanitize other people about corona virus, 83.9% persons respond 'no' for corona infected people die, 62.9% people aware about the sufficient ground to be considered Corona positive, 88.4% respondents save ours self from Corona, 95.9% respondents assume that doctors, nurse, police, administration and cleaners are the Corona warriors, 94.4% people respect corona warriors, 68.9% people know that the COVID refers to corona Virus Disease, 95.2% respondent know that COVID-19 started from Wuhan, 93.5% people aware that this infection is spread by sneezing and touching both and 86.2% know that the quarantine, isolation and ventilation are related to COVID-19.

## CONCLUSION:

According to above result and discussion the main conclusion of this survey study is the awareness level of Indian people regarding COVID-19 is very satis-

factory and those people who are not aware about this pandemic, we should sensitize them by organizing different types of awareness activities and program to prevent this COVID-19 pandemic.

This survey would help the health care workers and corona warriors to create awareness regarding the effect of this pandemic on different age group, different social group to help prevent carelessness amongst Indian people.

#### REFERENCES:

- I. Apoorva Mandeville (2020). 239 Experts with 1 big claim: The Corona virus is Air-borne.
- II. Centers for Disease control (2020). Corona virus disease 2019: Prevention & Treatment.
- III. Diangeng Li and others (2020). Clinical characteristics and Results of seven Tests Among men with Corona virus Disease, 2019.
- IV. Erin Coulehan(2020). COVID-19 can cause male infertility, be transmitted sexually.
- V. Gorbalenya, AE (2020). Severe acute respiratory syndrome-related corona virus. The Species and its Viruses, a statement of the Corona Virus study Group.
- VI. Hai, D.S. and other (2020). The continuing 2019-nCoV epidemic threat of novel corona virus to global health. The latest 2019 novel corona virus outbreak in Wuhan, China.
- VII. Kuhakam, Jiraporn (2020). Better than nothing Thailand encourage clothes masks avoid surgical mask.
- VIII. LIDL and other (2020). Critical patients with Corona virus disease 2019. Risk factors and outcome nomogram.
- IX. Mitchell EP. Corona Virus (2020). Global pandemic causing world-wide shutdown, J natl Assoc.
- X. Naming the Corona virus disease(COVID-19) and the virus that causes it.www.who.int.
- XI. Pandey S and others (2020). Corona virus (COVID -19), awareness assessment – A Survey study amongst the Indian population: Jclin Med Res.2(4):1-10.
- XII. Sohrabi C and others (2020). World Health Organization declared global emergency: A review of the 2019 novel Coronavirus (COVID-19), Int J Surg.76:71-76.
- XIII. Sugiyama K, Suto T.Amano Y.(1978). A New Corona like Virus causing diarrhea infect mic (DVIM): Morphological and biological characteristics.28:10-18.
- XIV. Wang D and Others (2020). Epidemiological Characteristics and transmission model of Corona virus Disease 2019 in China.
- XV. World health Organization (2020). Novel Corona Virus (2019-nCoV): Situation report, 22. Advice for public.
- XVI. Zang HW and others (2020), Corona Virus international Public Health Emergencies: Implication for Radiology management Acael Radiol. 27:463-67.
- XVII. Zhang F. and others (2020). The potential risk of kidney vulnerable to novel Corona virus, 2019 infection.
- XVIII. Zhou and other (2020). Risk factors associated with disease progression in a cohort of patients infected with the 2019 novel Corona virus.
- XIX. Zoe Cormiers (2020). How COVID-19 can damage the brain.